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TITLE: RECORD READ OUT  
METHOD OF RUNNING STATE OF RUNNING  
AUTOMOBILE

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### ABSTRACT:

**PROBLEM TO BE SOLVED:** To read out and indicate the record at the collision time later by recording in plural times a car speed before several seconds or scores of seconds traced back from the present point of time of a running car, the intensity and direction of a shock by a trouble, a handle operation state, a gear change state and other operation states along with a time.

**SOLUTION:** Operation states like the car speed of a running automobile, a handle operation state and a brake operation state are detected by a sensor 1, and the detection signal is taken into a car speed

signal from an interface  
part 2, an acceleration signal by a shock, an  
airbag operation signal, a change  
gear signal, a handle signal, an accelerator  
signal, a direction indication  
signal and a brake signal are taken into the  
microcomputer 14 of a  
microcomputer part 3, and the signals are  
recorded to RAM 16 divided to plural  
memory blocks and always the last several  
seconds or scores of seconds are  
recorded along with a time signal while changing  
the memory block when the  
signal exceeds a threshold value, and the  
recorded plural times trouble  
information is taken in from the rear out device  
to an operation state analysis  
device 23 later and the operation state at the  
vehicular trouble time, the  
collision direction of the trouble and a shock  
strength are analyzed and  
indicated by plural numbers along with its time  
by a display or printing out.

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